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Victor Cho

DevOps Engineer

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PROFESSIONAL EXPERIENCE

Canadian Imperial Bank of Commerce (CIBC) *DevOps Engineer (Application Support)*

Toronto, ON
SEP 2022 — JUN 2023

- Database Tracking: Database Tracking: Improved Pega Cloud data retrieval by 70% through efficient Java/Bash scripts.
- Cloud Transaction Monitoring: Implemented Java/JDBC H2 SQL query automations for effective monitoring of Cloud transactions.
- Jenkins Troubleshooting: Streamlined app deployment by resolving Jenkins pipeline issues, resulting in a 50% deployment efficiency.
- Package Deployment: Successfully deployed and maintained packages in On-prem and Cloud Pega environments on Testing, and Production.
- Real-time Maintenance: Ensured app uptime by providing real-time support for production issues in On-prem and Cloud Pega environments.

Stingray Business

Toronto, ON

Junior DevOps Engineer

AUG 2021 — July 2022

- Codebase Management: Ensured smooth operation of digital billboards by managing and maintaining the backend codebase.
- Real-time Data Synchronization: Developed PowerShell scripts for continuous REST API querying, enabling real-time data sync in AWS S3.
- Docker Issue Resolutions: Resolved complex Docker issues through troubleshooting and system optimization.
- PowerShell Automation: Created scripts to automate provisioning and content handling, increasing deployment efficiency by 60%.

Software Engineer Intern

JUN 2020 — JUL 2021

- Provisioning System Development: Created server-side system to track deployed devices.
- Real-time Data Optimization: Improved real-time updates in AWS S3 by 50% by script optimization with Bash and PowerShell.
- PowerShell Automation: Developed scripts for automated installations, reducing provisioning time by 50%
- Backend Code Optimization: Managed and optimized back-end code for remote machine data.

Novrmedia (Stingray)

Toronto, ON

Software Engineer Intern

MAY 2019 — AUG 2019

- Web Development: Designed JavaScript and HTML websites for clients.
- AWS Automation: Translated Ruby scripts into PowerShell, achieving data upload automations on AWS S3.
- REST API Integration: Developed JavaScript code for querying and managing data in Dockerized Apache CouchDB instances.
- Backend Data Management: Efficiently handled and updated data in AWS S3 and Apache CouchDB.

SKILLS

Scripting & Development Powershell, Bash, Python, Java, SQL

OS & Tools Linux, Docker, Amazon Web Services (AWS), Jenkins, Docker / Kubernetes, Terraform

EDUCATION

University of Toronto, St George

SEP 2017 - NOC 2021

Bachelor of Cognitive Science, Minors in Statistics, Linguistics

Track - Computational Cognition

PROJECTS

vccho.com - Personal Website

JUN 2023

Personal website using AWS S3 for secure and scalable storage. Route 53 was utilized to connect my custom GoDaddy domain to the S3 bucket, ensuring easy access to the website. The project achieved a professional online presence with reliable website hosting and enhanced branding. SSL/TLS encryption was implemented for secure browsing using AWS cloudfront.

Docker Image deployment Pipeline - Docker Kubernetes Pipeline

MAY 2023

A Jenkins pipeline to streamline the deployment process of a Docker image on Kubernetes. Automated the building, testing, and deployment stages, ensuring efficient and reliable deployments. Achieved scalability and container orchestration for seamless application management, leveraging Kubernetes.

Terraform Jenkins AWS Integration - Integration Pipeline

MAY 2023

A Jenkins pipeline that integrates with Terraform and AWS EC2. Automates infrastructure resource provisioning using Terraform's configuration files. Jenkins triggers the pipeline, allowing for consistent and scalable deployments of EC2 instances. Achieved efficient and reproducible deployments by streamlining the deployment process.